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TO: Jeffrey E Russel

Location: CM1/11D13/9B07

Art Unit: 1654 July 8, 2003

Case Serial Number: 018806

From: P. Sheppard Location: CM1-1E03 Phone: (703) 308-4499

sheppard@uspto.gov

Search Notes





Access	D8#	

SEARCH REQUEST FORM

Scientific and Technical Information Center

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Title of Invention: Method of fre, nventors (please provide full names): P	Szego	Bard Bloconjug	tes Scitable For
Earliest Priority Filing Date: 5-7	-2002		
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The ref Time	Other	Other (specific)	

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GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

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L3 24 SEA FILE=HCAPLUS ABB=ON PLU=ON L2

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L3 ANSWER 1 OF 24 HCAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 2002:539699 HCAPLUS

DOCUMENT NUMBER: 137:103865

TITLE: Peptide conjugates, pharmaceutical compositions, and

methods for treatment of bacteremia and/or septicemia (S): Ofek, Itzhak; Fridkin, Matityahu; Tsubery, Haim

INVENTOR(S): Ofek, Itzhak; Fridkin, Matityahu; Tsubery, Haim PATENT ASSIGNEE(S): Ramot University Authority for Applied Research &

Industrial Development Ltd., Israel; Yeda Research and

Development Co., Ltd. PCT Int. Appl., 80 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

SOURCE:

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PATENT NO.
                                   KIND
                                            DATE
                                                                    APPLICATION NO.
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                                                                                               20020116
                                             20020718
                                                                    WO 2002-IL38
        WO 2002055543
                                    A2
                                 A3
                                            20030206
       WO 2002055543
                    AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
                    CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
                    EL, EL, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG PRIORITY APPLN. INFO::

US 2001-261212P P 20010116
              RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
                                       MARPAT 137:103865
OTHER SOURCE(S):
       The invention provides conjugates of bacterial outer membrane binding
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AB The invention provides conjugates of bacterial outer membrane binding peptides, preferably having bacterial sensitization activity, and immune cell chemotactic peptides, and pharmaceutical compns. contg. them, which are useful in the treatment of bacteremia and/or septicemia following infection by Gram-neg. bacteria, administered alone or in combination with conventional antibiotics.

IT 442878-14-0D, peptide-contg.

RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(peptide conjugates, pharmaceutical compns., and methods for treatment of bacteremia and/or septicemia)

L3 ANSWER 2 OF 24 HCAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 2001:896749 HCAPLUS

DOCUMENT NUMBER: 136:200464

TITLE: Epimerization of peptide nucleic acids analogs during

solid-phase synthesis: optimization of the coupling

conditions for increasing the optical purity

AUTHOR(S): Corradini, Roberto; Sforza, Stefano; Dossena, Arnaldo;

Palla, Gerardo; Rocchi, Raniero; Filira, Ferdinando;

Nastri, Flavia; Marchelli, Rosangela

CORPORATE SOURCE: Dipartimento di Chimica Organica e Industriale,

University of Parma, Parma, I-43100, Italy

Journal of the Chemical Society, Perkin Transactions 1

(2001), (20), 2690-2696

CODEN: JCSPCE; ISSN: 1472-7781

PUBLISHER: Royal Society of Chemistry

DOCUMENT TYPE: Journal LANGUAGE: English

SOURCE:

AB Peptide nucleic acid (PNA) analogs based on N.alpha.-(thymin-1-ylacetyl)ornithine were previously shown to form triplexes with complementary RNA. In order to obtain optically pure compds. for hybridization expts., chiral monomers based on D- or L-ornithine, N.delta.-Fmoc-N.alpha.-(thymin-1-ylacetyl)ornithine 2 and N.delta.-Fmoc-N.alpha.-(uracil-1-ylacetyl)ornithine 3 were synthesized either by a one-step or by a simple three-step procedure starting from N.delta.-protected ornithine; the latter procedure led to enantiomerically pure products. Oligomerization of 2 and 3 was carried out either in soln., or by solid-phase peptide synthesis (SPPS) on an MBHA-Rink amide

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resin. The oligomers turned out to contain large amts. of epimerization products, esp. those obtained by SPPS. Therefore, we examd. carefully the parameters which may be involved in epimerization: the nature of the coupling reagent, of the base, and the addn. mode. Coupling of the monomer L-3 was performed under various conditions. Lower racemization was found to occur when using (7-azabenzotriazol-1-yl)-1,1,3,3tetramethyluronium hexafluorophosphate (HATU) as coupling agent and 2,4,6-trimethylpyridine (sym-collidine, TMP) as base, without preactivation, leading to a residual 4% of the D-enantiomer. By applying a procedure based on the stepwise addn. of the base the D-enantiomer content was reduced to less than 1%. Using this procedure, a decamer of L-3 was synthesized, which was shown to contain less than 2% of the D-ornithine deriv.

400747-81-1P 400747-88-8P 400747-94-6P ΙT 400748-06-3P 400748-12-1P 400748-18-7P

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of ornithine PNAs with redn. of epimerization by optimization

of the coupling conditions)

THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS REFERENCE COUNT: 48 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 3 OF 24 HCAPLUS COPYRIGHT 2003 ACS 2001:408818 HCAPLUS ACCESSION NUMBER:

135:180940 DOCUMENT NUMBER:

Synthesis of polycationic peptide analog of TITLE:

oligodeoxythymidylic acid

Kwan, Chul Khyun AUTHOR(S):

Kafedra Khim. Prir. Soedinenii, Mosk. Gos. Univ., CORPORATE SOURCE:

Moscow, Russia

Vestnik Moskovskogo Universiteta, Seriya 2: Khimiya SOURCE:

(2001), 42(2), 128-130

CODEN: VMUKA5; ISSN: 0579-9384

Izdatel'stvo Moskovskogo Universiteta PUBLISHER:

DOCUMENT TYPE: Journal Russian LANGUAGE:

CASREACT 135:180940 OTHER SOURCE(S):

A synthesis of new polycationic peptide analog of oligodeoxythymidylic acid on the base of D-ornithine dodecamer, namely 5-N-(L-phenylalanyl)deca-5-N-[2'-N-(thyminyl-1-alanyl)-L-ornithyl]-L-alanine was developed.

354821-33-3P IΤ

> RL: SPN (Synthetic preparation); PREP (Preparation) (solid phase synthesis of polycationic peptide analog of oligodeoxythymidylic acid)

ANSWER 4 OF 24 HCAPLUS COPYRIGHT 2003 ACS 2000:258582 HCAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 133:89771

Olefinic peptide nucleic acids (OPAs): new aspects of TITLE:

the molecular recognition of DNA by PNA

AUTHOR(S): Schutz, Rolf; Cantin, Michel; Roberts, Christopher; Greiner, Beate; Uhlmann, Eugen; Leumann, Christian

Department of Chemistry and Biochemistry, University CORPORATE SOURCE:

of Bern, Bern, 3012, Switz.

Angewandte Chemie, International Edition (2000), SOURCE:

39(7), 1250-1253

CODEN: ACIEF5; ISSN: 1433-7851

Wiley-VCH Verlag GmbH PUBLISHER:

DOCUMENT TYPE: Journal English LANGUAGE:

GΙ

Ι

AB In order to study the structural and electrostatic effect of the PNA rotameric forms, the authors have synthesized olefinic polyamide nucleic acids (OPAs) in which the central amide functionality was replaced by an isostructural, configurationally stable C-C double bond in either the Z or E configuration (I; BASE = thymidine or adenine), and used them to prep. (E) - or (Z) - OPA oligomers. A series of mono-substituted PNAs and fully-modified (E) and (Z) - OPAs were synthesized and their duplex-forming behavior with DNA studied. Both (E) - and (Z) - OPAs bound to complementary DNA with similar affinities as DNA itself, but in contrast to PNA, OPA2/DNA triplexes were not formed, and OPA preferentially bound in the parallel mode to DNA. Results led to the conclusion that amide functionality in the base-linked unit in PNA detd. significantly the affinity and preferred strand orientation in PNA/DNA duplexes, and seemed to be responsible for the propensity to form PNA2/DNA triplexes; these properties do not depend on the conformational constraints that the amide functionality exerts on the base-linker unit, but rather on its electrostatic properties.

IT 178036-67-4P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (prepn. and characteristics of olefinic peptide nucleic acids as PNA analogs for mol. recognition of DNA)

REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 24 HCAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 2000:209948 HCAPLUS

DOCUMENT NUMBER: 132:255952

TITLE: Cationic dendrimers and their use as macromolecular

carriers

INVENTOR(S): Florence, Alexander T.; Wilderspin, Andrew F.; Toth,

Istvan; Sakthivel, Thiagarajan; Bayele, Henry K. School of Pharmacy, University of London, UK

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT ASSIGNEE(S):

PATENT NO. KIND DATE APPLICATION NO. DATE WO 2000016807 20000330 WO 1999-GB3189 19990923 Α1 W: GB, JP, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE 19990923 EP 1999-947667 20010718 EP 1115428 Α1 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI JP 2002526456 T2 20020820 JP 2000-573768 19990923

EP 1998-307712 A 19980923 PRIORITY APPLN. INFO.: A 19990910 GB 1999-21478 W 19990923 WO 1999-GB3189

Dendrimers comprising a dendritic polypeptide with one dendron having AB terminal cationic groups and a lipid anchor, preferably comprising C6-24-alkyl group contg. .alpha.-amino acyl groups, preferably joined to the focal group, are used to assist transfection of cells in vitro and in vivo by DNA. The complex of dendrimer and DNA may be used in gene therapy, for instance to delivery clotting factor genes to cells.

261167-30-0DP, derivs. 261167-31-1DP, derivs. TΤ

261167-33-3P

RL: BPR (Biological process); BSU (Biological study, unclassified); PEP (Physical, engineering or chemical process); PNU (Preparation, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

(cationic dendrimers and their use as macromol. carriers)

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS REFERENCE COUNT: RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 6 OF 24 HCAPLUS COPYRIGHT 2003 ACS 1.3 ACCESSION NUMBER: 1999:653455 HCAPLUS

DOCUMENT NUMBER: 132:227244

Novel cationic lipid peptide dendrimer vectors. In TITLE:

vitro gene delivery

Toth, I.; Sakthivel, T.; Wilderspin, A. F.; Bayele, AUTHOR(S):

H.; O'Donnell, M.; Perry, D. J.; Pasi, K. J.; Lee, C.

A.; Florence, A. T.
Department of Pharmaceutical and Biological Chemistry, CORPORATE SOURCE:

The School of Pharmacy, University of London, London,

WC 1N 1AX, UK

S.T.P. Pharma Sciences (1999), 9(1), 93-99 SOURCE:

CODEN: STSSE5; ISSN: 1157-1489

Editions de Sante PUBLISHER:

Journal DOCUMENT TYPE: LANGUAGE: English

Cationic lipid dendrimers with a well-defined diam. and a precise no. of AB terminal amines (8-32 groups) were synthesized using a solid support. application of dendrimers with widely varied geometries in gene delivery has been studied by estg. transfection efficiency of members of the series, with variable branch length, position of attachment of lipid, the presence of a sugar unit and presence of a nuclear localization signal peptide. The transfection activity of the products was assayed in vitro on Cos-7 (fibroblast) cells. Two dendrimers displayed high transfection activities. Results indicated that the presence of more amino groups on the surface of the dendrimers could enhance gene delivery. A primary physicochem. characterization of the DNA/lipid complexes demonstrated the min. amt. of dendrimer required for the transfection of 2.5 .mu.g plasmid (10 .mu.g/mL for the dendrimers with eight free amino terminals and 5 and 2.5 .mu.g/mL for the dendrimers with 16 and 32 free amino terminals, resp.).

261167-30-0P 261167-31-1P 261167-32-2P TT 261167-33-3P

RL: BPR (Biological process); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

(cationic lipid peptide dendrimer vectors for in vitro gene delivery) THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS REFERENCE COUNT: 30 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 7 OF 24 HCAPLUS COPYRIGHT 2003 ACS 1999:500245 HCAPLUS ACCESSION NUMBER:

131:235657 DOCUMENT NUMBER:

Accelerated optical holographic recording using TITLE:

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bis-DNO

Rasmussen, Palle H.; Ramanujam, P. S.; Hvilsted, AUTHOR(S):

Soren; Berg, Rolf H.

Riso National Laboratory, Roskilde, DK-4000, Den. CORPORATE SOURCE:

Tetrahedron Letters (1999), 40(32), 5953-5956 CODEN: TELEAY; ISSN: 0040-4039 SOURCE:

PUBLISHER: Elsevier Science Ltd.

Journal DOCUMENT TYPE: English LANGUAGE:

The design, synthesis and optical holog. recording properties of bis-DNO are reported. Bis-DNO is composed of two identical azobenzene oligoornithine segments (DNO) connected via a dipeptide linker. The two segments were assembled in a parallel fashion at the two amino groups of the dipeptide linker by Merrifield synthesis. Surprisingly, the response time of films of bis-DNOs was found to be much faster than that of their

linear counterparts. 244061-02-7

RL: TEM (Technical or engineered material use); USES (Uses) (accelerated optical holog. recording using bis-DNO composed of two identical azobenzene oligoornithine segments (DNO) connected via

dipeptide linker)

REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 8 OF 24 HCAPLUS COPYRIGHT 2003 ACS 1999:469771 HCAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 131:257847

Pseudopeptide structures for reversible holographic TITLE:

storage and combinatorial applications

Rasmussen, Palle H. AUTHOR(S):

Riso National Laboratory, Roskilde, Den. CORPORATE SOURCE:

Risoe National Laboratory, [Report] Risoe-R (1999), SOURCE:

Risoe-R-1124, i-vii, 1-154

CODEN: RNLRDF; ISSN: 0106-2840

DOCUMENT TYPE: Report English LANGUAGE:

This PhD thesis is divided in two sep. parts. Part 1 deals with design and synthesis of new peptide-based structures for holog. data storage. has previously been shown that holograms can be recorded in oligomers (DNO; diamino acid N.alpha.-substituted oligopeptides) consisting of peptide-like backbones with azobenzene side chains. The holograms recorded in the original DNO had a no. of favorable properties such as high diffraction efficiency and high resoln. They could be recorded, read, and erased with light, and they had an excellent thermal stability. However, the original DNO also had some serious shortcomings with respect to response time and soly. By performing rational modifications in the mol. geometry, a new generation of DNO has been developed, and these are improved by more than a factor 350 when compared to the original DNO dimer. Furthermore, the new DNOs are sol. in common org. solvents and can be assembled by soln.-phase synthesis, which is mandatory for large-scale fabrication. The new generation of DNO has maintained all of the good properties, e.g., retained reversibility, stability, resoln., and the high diffraction efficiency, of the original DNOs. Part 2 describes the synthesis of new functionalized C3 sym. scaffolds with nanoscale dimensions. The cyclic scaffolds are synthesized in soln. from unnatural The structures are intended to serve as core mols. for soln. phase combinatorial chem., and as templates for synthetic receptors. The combinatorial soln.-phase approach (or, the activated core approach) for the synthesis of libraries generally has a limitation due to lack of addressability on the functional groups in the core. This impedes the deconvolution of the libraries and the subsequent synthesis of specific target mols. The lack of addressability has been overcome for the new scaffolds in the synthesis of platforms with selectively removable

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protecting groups on their side chains. The platforms were synthesized on a gram scale and their use as core mols. for combinatorial chem. was demonstrated.

IT 184633-50-9 184633-51-0 244785-37-3

RL: PRP (Properties)

(prepn. of azobenzene-contg. pseudopeptide oligomers, DNO, for

reversible holog. storage)

IT 244785-43-1P 244785-44-2P 244785-45-3P 244785-46-4P 244785-58-8P 244785-60-2P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (prepn. of azobenzene-contg. pseudopeptide oligomers, DNO, for

reversible holog. storage)

REFERENCE COUNT: 87 THERE ARE 87 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 9 OF 24 HCAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1998:192812 HCAPLUS

DOCUMENT NUMBER: 129:16363

TITLE: Synthesis of chirally pure ornithine based PNA analogs

AUTHOR(S): Van der Laan, Alexander C.; Van Amsterdam, Irene;

Tesser, Godefridus I.; Van Boom, Jacques H.;

Kuyl-Yeheskiely, Esther

CORPORATE SOURCE: Leiden Inst. Chem., Leiden Univ., Leiden, 2300 RA,

Neth.

SOURCE: Nucleosides & Nucleotides (1998), 17(1-3), 219-231

CODEN: NUNUD5; ISSN: 0732-8311

PUBLISHER: Marcel Dekker, Inc.

DOCUMENT TYPE: Journal LANGUAGE: English

AB A stereoselective synthesis of a chiral PNA analog contg. an ornithine based backbone is described. In this approach each elongation cycle consists of two individual coupling steps: i.e. extension of the free .delta.-amino function in the growing chain by a TOPPipU mediated coupling with Fmoc-Orn(Boc)-OH, and subsequent acylation of a free .alpha.-amine with thymin-1-ylacetic acid. Thyminyl decamers were prepd. following this strategy and hybridization expts. indicated that they formed stable complexes with cRNA.

IT 207597-65-7P 207597-66-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(synthesis of chirally pure ornithine based PNA analogs)

IT 207597-64-6P 207803-03-0P 207803-05-2P

RL: SPN (Synthetic preparation); PREP (Preparation)

(synthesis of chirally pure ornithine based PNA analogs)

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 10 OF 24 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1998:82153 HCAPLUS

DOCUMENT NUMBER: 128:167703

TITLE: Design and synthesis of new types of

oligonucleopeptides

AUTHOR(S): Korshunova, Galina A.; Ilicheva, Irina A.; Sumbatyan,

natalie V.; Hyun, Kwang-chul

CORPORATE SOURCE: A.N. Belozersky Inst. Physico-Chemical Biol. Chem.

Dep., Moscow State Univ., Moscow, 119899, Russia

SOURCE: Letters in Peptide Science (1997), 4(4/5/6), 473-476

CODEN: LPSCEM; ISSN: 0929-5666

PUBLISHER: Kluwer Academic Publishers

DOCUMENT TYPE: Journal LANGUAGE: English

AB Design and synthesis of oligonucleopeptides (ONPs), structural analogs of oligonucleotides, where the phosphodiester backbone is substituted by a

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peptide chain, are described. Oligonucleopeptides, in which the no. of ordinary bonds between the nucleobases is six and the no. of bonds between the backbone and nucleobase is two or four, were constructed using two different approaches. The first way is based on incorporation of thyminylalanine residues into the peptide chain alternatively with glycine residues. Exptl. studies of the stability of oligonucleotide—oligonucleopeptide complexes as well as model estns. of their potential surfaces indicated the low DNA binding efficiency of this type of reagents. The second approach consists of synthesis of .omega.—ornithine peptides followed by modification of the backbone with thyminylacetaldehyde attached to an .alpha.—amino function of ornithine residues through Schiff bases. ONPs were synthesized using the solid—phase method.

IT 202926-79-2P

RL: SPN (Synthetic preparation); PREP (Preparation)

(design and synthesis of new types of oligonucleopeptides)

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 11 OF 24 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:105200 HCAPLUS

DOCUMENT NUMBER: 126:118198

TITLE: Preparation of branched peptides containing

photoactive groups

INVENTOR(S): Berg, Rolf Henrik; Hvilsted, Soeren; Ramanujam, P. S.

PATENT ASSIGNEE(S): Forskningscenter Risoe, Den.; Berg, Rolf Henrik;

Hvilsted, Soeren; Ramanujam, P. S.

SOURCE: PCT Int. Appl., 186 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA.	TENT	NO.		KI	ND .	DATE			A	PPLI	CATI	N NC	ο.	DATE			
WO	9638	410		A	1	1996	1205		W	0 19	96-D	K237		1996	0603		
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		DE,	DK,	DK,	EE,	EE,	ES,	FI,	FΙ,	GB,	GE,	HU,	IL,	IS,	JP,	ΚE,	KG,
		ΚP,	KR,	ΚZ,	LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,	MW,	MX,	NO,
		NZ,	\mathtt{PL}														
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		IE,	FΙ														
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PRIORIT	Y APP	LN.	INFO	. :					DK 1	995-	628		Α.	19950	0602		
								1	WO 1	996-	DK23	7	W	1996	0603		

The invention relates to novel monodisperse or polydisperse compds., in general named DNO (diamino acid N.alpha.-substituted oligopeptides), preferably low mol. wt. polypeptides, e.g., based on ornithine, lysine, diaminobutyric acid, diaminopropionic acid, aminoethylglycine or other amino acids or peptides having azobenzenes or other phys. functional groups, e.g., photoresponsive groups, as side chains. These compds. may be synthesized using solid phase peptide synthesis techniques. Materials, e.g. thin films, comprising such compds. may be used for optical storage of information (holog. data storage), nonlinear optics (NLO), as photoconductors, photonic band-gap materials, elec. conducting materials,

Russel 10 018806

electroluminescent materials, piezo-elec. materials, pyroelec. materials, magnetic materials, ferromagnetic materials, ferroelec. materials, photorefractive materials, or materials in which light-induced conformational changes can be produced. Optical anisotropy may reversibly be generated with polarized laser light whereby a hologram is formed. First order diffraction efficiencies of up to around 80% have been obtained.

184633-50-9P 184633-51-0P IT

> RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (prepn. of branched peptides contg. photoactive groups)

ANSWER 12 OF 24 HCAPLUS COPYRIGHT 2003 ACS L3

1996:625776 HCAPLUS ACCESSION NUMBER:

126:39584 DOCUMENT NUMBER:

Peptide oligomers for holographic data storage TITLE: AUTHOR(S): Berg, Rolf H.; Hvilsted, Soeren; Ramanujam, P. S.

Risoe Natl. Lab., Roskilde, Den. CORPORATE SOURCE:

Nature (London) (1996), 383(6600), 505-508 SOURCE:

CODEN: NATUAS; ISSN: 0028-0836

PUBLISHER: Macmillan Magazines

DOCUMENT TYPE: Journal English LANGUAGE:

Several classes of org. materials (such as photoanisotropic liq.-cryst. polymers and photorefractive polymers) are being investigated for the development of media for optical data storage. Here we describe a new family of org. materials-peptide oligomers contg. azobenzene chromophores-which appear particularly promising for erasable holog. data storage applications. The rationale for our approach is to use the structural properties of peptide-like mols. to impose orientational order on the chromophores, and thereby optimize the optical properties of the resulting materials. Here we show that holog, gratings with large first-order diffraction efficiencies (up to 80%) can be written and erased optically in oligomer films only a few micrometers thick. The holograms also exhibit good thermal stability, and are not erased after heating to 180.degree.C for one month. Straightforward extension of this peptide-based strategy to other mol. structures should allow the rationale design of a wide range of org. materials with potentially useful optical properties:

184633-50-9P 184633-51-0P ΙT

> RL: PNU (Preparation, unclassified); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (peptide oligomers for holog. data storage)

ANSWER 13 OF 24 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1996:340170 HCAPLUS

Correction of: 1996:234106

DOCUMENT NUMBER: 125:2444

AUTHOR(S):

Correction of: 124:308720

Gel shift assay: demonstration of enhanced binding of TITLE:

oligo(.delta.)-L-ornithine-oligodeoxynucleotide

conjugates to complementary DNA and RNA

Zhu, Tianmin; Pooyan, Shahriar; Wei, Ziping;

Leibowitz, Michael J.; Stein, Stanley

Cent. Adv. Biotechnol. Med., Piscataway, NJ, 08854, CORPORATE SOURCE:

Antisense & Nucleic Acid Drug Development (1996), SOURCE:

6(1), 69-74

CODEN: ANADF5; ISSN: 1087-2906

Liebert PUBLISHER: Journal DOCUMENT TYPE: English LANGUAGE:

An increase in melting temp. for DNA: DNA duplexes had been obsd. previously (Zhu et al. Antisense Res. Dev. 3:349-356, 1993) when an oligo(.delta.)ornithine moiety was covalently appended to a short oligodeoxynucleotide. We now report the anal. of duplex formation by electrophoretic gel shift anal. In the particular example studied, an increase in Tm of 4.degree. was found to correspond to about a 5-fold increase in binding const. A similar enhancement by the appended cationic peptide was obsd. when the target strand was RNA. The use of a competitive assay format for avoidance of adsorptive loss at low concns. (<10-7M) of the oligonucleotide-oligo(.delta.)ornithine conjugate is presented.

176390-30-0D, oligodeoxyribnucleotide conjugates ΙT RL: BPR (Biological process); BSU (Biological study, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC

> (enhanced binding of oligo(.delta.)-L-ornithine-oligodeoxynucleotide conjugates to complementary DNA and RNA)

ANSWER 14 OF 24 HCAPLUS COPYRIGHT 2003 ACS

1996:265550 HCAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 125:59113

TITLE: Synthesis and oligomerization of N.delta.-Boc-N.alpha.-

(thymin-1-ylacetyl)ornithine

Petersen, Kenneth H.; Buchardt, Ole; Nielsen, Peter E. Center Biomol. Recognition H. C. Orsted Inst., Univ. Copenhagen, Copenhagen, DK-2100, Den. AUTHOR(S):

CORPORATE SOURCE:

Bioorganic & Medicinal Chemistry Letters (1996), 6(7), SOURCE:

793-6

CODEN: BMCLE8; ISSN: 0960-894X

Elsevier PUBLISHER: Journal DOCUMENT TYPE: English LANGUAGE:

GT

The synthesis of a new DNA analog I (Boc = Me3CO2C) based on ornithine is AB described. Only the thymine analog was synthesized. A 10 mer entirely made up of I forms a triple helix with poly(A). The Tm of the triplex was 21.degree..

ΙT 175431-23-9P

RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. and oligomerization of a protected (thyminylacetyl)ornithine)

177913-36-9P 178036-67-4P 178036-67-4P IT

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (prepn. and oligomerization of a protected (thyminylacetyl)ornithine)

Russel 10 018806

L3 ANSWER 15 OF 24 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1996:234106 HCAPLUS

DOCUMENT NUMBER: 124:308720

TITLE: Gel shift assay: demonstration of enhanced binding of

oligo(.delta.)-L-ornithine-oligodeoxynucleotide

conjugates to complementary DNA and RNA

AUTHOR(S): Zhu, Tianmin; Pooyan, Shahriar; Wei, Ziping;

Leibowitz, Michael J.; Stein, Stanley

CORPORATE SOURCE: Center Advanced Biotechnol. Med., Piscataway, NJ,

08854, USA

SOURCE: Antisense & Nucleic Acid Drug Development (1996),

6(1), 69-74

CODEN: ANADF5; ISSN: 1087-2906

PUBLISHER: Liebert DOCUMENT TYPE: Journal LANGUAGE: English

AB An increase in melting temp. for DNA:DNA duplexes had been obsd. previously (Zhu et al. Antisense Res. Dev. 3:349-356, 1993) when an oligo(.delta.)ornithine moiety was covalently appended to a short oligodeoxynucleotide. We now report the anal. of duplex formation by electrophoretic gel shift anal. In the particular example studied, an increase in Tm of 4.degree. was found to correspond to about a 5-fold increase in binding const. A similar enhancement by the appended cationic peptide was obsd. when the target strand was RNA. The use of a competitive assay format for avoidance of adsorptive loss at low concns. (<10-7M) of the oligonucleotide-oligo(.delta.)ornithine conjugate is presented.

IT 176390-30-0D, oligodeoxynucleotide conjugates

RL: BPR (Biological process); BSU (Biological study, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process)

(enhanced binding of oligo(.delta.)-L-ornithine-oligodeoxynucleotide conjugates to complementary DNA and RNA)

ANSWER 16 OF 24 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1996:94448 HCAPLUS

DOCUMENT NUMBER: 124:290226

TITLE: Synthesis of a new chiral peptide analog of DNA using

ornithine subunits and solid-phase peptide synthesis

methodologies

AUTHOR(S): Lioy, Eduardo; Kessler, Horst

CORPORATE SOURCE: Inst. Organische Chemie Biochemie, Technischen Univ.

Muenchen, Garching, D-85747, Germany Liebigs Annalen (1996), (2), 201-4

CODEN: LANAEM; ISSN: 0947-3440

PUBLISHER: VCH

DOCUMENT TYPE: Journal LANGUAGE: English

GT

SOURCE:

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The synthesis of 3 chiral peptide nucleic acids by SPPS methodologies
AB
         according to the Fmoc strategy starting from L- or D-ornithine and thymine
         via the chiral monomer I and its enantiomer is described.
TT
         175431-23-9DP, resin bound 175431-25-1DP, resin bound
         175431-26-2DP, resin bound
         RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
         (Reactant or reagent)
               (synthesis of chiral DNA peptide analogs with ornithine subunits)
ΙT
         175431-23-9P 175431-25-1P 175431-26-2P
         RL: SPN (Synthetic preparation); PREP (Preparation)
               (synthesis of chiral DNA peptide analogs with ornithine subunits)
                                        HCAPLUS COPYRIGHT 2003 ACS
         ANSWER 17 OF 24
T.3
ACCESSION NUMBER:
                                              1995:994981 HCAPLUS
DOCUMENT NUMBER:
                                             124:108909
TITLE:
                                             Cyclic polycationic polymer-oligonucleotide conjugates
                                             and methods for preparing same
INVENTOR(S):
                                             Stein, Stanley; Wei, Ziping; Zhu, Tianmin; Tung,
                                             Ching-Hsuan
PATENT ASSIGNEE(S):
                                              University of Medicine and Dentistry of New Jersey,
SOURCE:
                                              PCT Int. Appl., 48 pp.
                                             CODEN: PIXXD2
DOCUMENT TYPE:
                                             Patent
LANGUAGE:
                                             English
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
         PATENT NO.
                                        KIND
                                                   DATE
                                                                              APPLICATION NO.
         _____
                                                   19950914
                                                                             WO 1995-US2894
                                                                                                            19950307
         WO 9524222
                                         Α1
                       AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB,
                       GE, HU, JP, KE, KG, KP, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU,
                       SD, SE, SI, SK, TJ, TT, UA, UZ, VN
                RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT,
                       LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE,
                       SN, TD, TG
         AU 9521169
                                         Α1
                                                   19950925
                                                                              AU 1995-21169
                                                                                                            19950307
                                                                        US 1994-207438
                                                                                                      A 19940307
PRIORITY APPLN. INFO.:
                                                                        WO 1995-US2894
                                                                                                      W 19950307
         Provided are cyclic polycationic polymer-oligonucleotide conjugates
AB
         comprising a polycationic polymer covalently bonded at each end to the 3'-
         and 5'- terminal nucleotides of a polyanionic oligonucleotide via a
         crosslinking agent. The polycationic polymer may be represented by
         R2[XR1CH(NH2)CO]aR3 (I), R2[XR6R7COXC(R4R5)HCO]aR3 (II),
          R2[XC(R4R5)HCOXR6(R7)CO]aR3 \quad (III), \quad R1-[[NH(CH2)b]c[NH(CH2)d]e]f[NH(CH2)g]h-R2[XC(R4R5)HCOXR6(R7)CO]aR3 \quad (III), \quad R1-[[NH(CH2)b]c[NH(CH2)d]e]f[NH(CH2)g]h-R2[XC(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOXR6(R4R5)HCOX
         NHR2 (IV), R2[XC(R4R5)HC0]iR3 (V), R2[XR6(R7)COXC(R4R5)HCOXR6(R7)CO]aR3
         (VI), R2[XC(R4R5)HCOXR6(R7)COXC(R4R5)HCO]aR3 (VII), or
         R2[XCR4R5HCOXC(R4R5)HCOXR6(R7)CO]aR3 (VIII) (R1 through R7, X, and a
         through i, are defined). The polycationic polymer linked in a cyclic
         fashion to the polyanionic oligonucleotide helps the oligonucleotide bind
         to complementary strands through the interactions with the
         oligonucleotide. The cyclic conjugates have applications in antisense and
         anti-gene fields. Prepn. of TTTATT-Cys(Leu-Lys)2-Lys(Leu-Lys)2Cys-CATTTC
         conjugate which was then cyclized by DNA T4 ligase was shown.
IT'
         171772-43-3P
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Page 12

prepn. and its use as antisense DNA)

RL: NUU (Other use, unclassified); RCT (Reactant); SPN (Synthetic

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ANSWER 18 OF 24 1.3 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1995:994167 HCAPLUS

DOCUMENT NUMBER: 124:66581

TITLE: Triplex-forming paired-ion oligonucleotides and

methods for preparing and using same

INVENTOR(S): Stein, Stanley; Tung, Ching-Hsuan

PATENT ASSIGNEE(S): University of Medicine and Dentistry of New Jersey,

USA

PCT Int. Appl., 51 pp. SOURCE:

CODEN: PIXXD2

DOCUMENT TYPE: Patent English LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION: DAMENIA NO

P.	ΑT	ENT	NO.		KI	ND	DATE			A	PPLI	CATI	ON NO	Э.	DATE			
_										-				- -				
W	0	9520	404		Α	1	1995	0803		. W	0 19	94-U	S109	0	1994	0131		•
		W:	ΑT,	ΑU,	BB,	ВG,	BR,	BY,	CA,	CH,	CZ,	DE,	DK,	ES,	FI,	GB,	ΗU,	JP,
			KP,	KR,	KZ,	LK,	LU,	MG,	MN,	MW,	NL,	NO,	ΝZ,	PL,	PT,	RO,	RU,	SD,
			SE,	SK,	UA													
		RW:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	ΙE,	ΙΤ,	LU,	MC,	NL,	PT,	SE,
			BF,	ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	ML,	MR,	ΝE,	SN,	TD,	TG		
A	U	9461	682		Α	1	1995	0815		A	U 19	94-6	1682		1994	0131		
ORI	ΤY	APP	LN.	INFO	. :				•	WO 1	994-	US10	90	W	1994	0131		

PRIORITY APPLN. INFO.:

A triple-stranded DNA useful in gene therapy which comprises a paired-ion oligonucleotide bound to a complementary double-stranded DNA, wherein the paired ion oligonucleotide comprises a polyanionic triplex-forming oligonucleotide covalently bonded to a polycationic polymer via a crosslinking agent.

156311-81-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of triplex-forming paired-ion oligonucleotides for therapeutic.

ANSWER 19 OF 24 HCAPLUS COPYRIGHT 2003 ACS

1995:820573 HCAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 123:257406

Preparation of nucleic acid-binding oligomers with TITLE:

amino acid-containing backbones and

nucleobase-containing side chains for therapy and

diagnosis.

Loebberding, Antonius; Mielke, Burkhard; Schwemler, INVENTOR(S):

Chrostoph; Schwenner, Eckhardt; Stropp, Udo; Springer,

Wolfgang; Kretschmer, Axel; Poetter, Thorsten

Bayer A.-G., Germany PATENT ASSIGNEE(S): Ger. Offen., 46 pp. SOURCE:

CODEN: GWXXBX

DOCUMENT TYPE: Patent German LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4331011	· A1	19950316	DE 1993-4331011	19930913
EP 646596	A1	19950405	EP 1994-113573	19940831
EP 646596	В1	19990526		-
R: AT, BE,	CH, DE	, DK, ES,	FR, GB, GR, IE, IT, LI,	NL, SE
AT 180494	Ē	19990615	AT 1994-113573	19940831
ES 2131612	Т3	19990801	ES 1994-113573	19940831
AU 9471619	A1	19950323	AU 1994-71619	19940901

JP 07112969	A2	19950502	JP 1994-238619	19940907
CA 2131760	AA	19950314	CA 1994-2131760	19940909
US 5849893	Α	19981215	US 1996-719048	19960924
PRIORITY APPLN. INFO.:			DE 1993-4331011	19930913
			US 1994-300910	19940906

OTHER SOURCE(S):

MARPAT 123:257406

GI

AB Title compds. [I; A = CO, CHR, CRR'; R, R' = H, Oh, alkyl, aralkyl, aryl; B = H, OH, alkanoyl, DNA intercalator, aryl, heterocyclyl, (modified) naturally occurring nucleobase; C = CH, CR; D = NH, CH2, CHR, CRR'; E = NR, CHR, CRR', O, S; A can be bonded to E via (CH2)n; n = 0-2; F = CH2, CO, SO2, SO, CS; Q = (CR1R2)m; m = 0-2; R1, R2 = (un)natural amino acid residue; G can be bonded to Q by (CH2)n; G = NH, NR, O, S; M = CH2, CO, SO2, SO, CS; L = (CH2)p, CHR, CRR'; p = 0-2; K, N = H, carrier system, reporter ligand, soly. enhancing group; s = 1-30], were prepd. for control of gene expression (no data). Thus, H-(Q1)3-Gly-OH was prepd. by solid phase synthesis using BOC-protected reactants (prepn. given) on phenylacetamidomethyl resin. Title compds. are said to have antiviral activity.

IT 168264-35-5P 168264-36-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of nucleic acid-binding oligomers with amino acid-contg. backbones and nucleobase-contg. side chains for therapy and diagnosis)

L3 ANSWER 20 OF 24 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1995:15800 HCAPLUS

DOCUMENT NUMBER: 122:56488

TITLE: Preparation of Vitamin B6-Conjugated Peptides at the

Amino Terminus and of Vitamin B6-Peptide-

Oligonucleotide Conjugates Zhu, Tianmin; Stein, Stanley

AUTHOR(S): Zhu, Tianmin; Stein, Stanley
CORPORATE SOURCE: Center for Advanced Biotechnology and Medicine,

Piscataway, NJ, 08854, USA

SOURCE: Bioconjugate Chemistry (1994), 5(4), 312-15

CODEN: BCCHES; ISSN: 1043-1802

DOCUMENT TYPE: Journal LANGUAGE: English

AB A series of N-(4'-pyridoxyl)peptides has been made by std.
9-fluorenylmethoxycarbonyl (Fmoc) chem. and a solid-phase coupling
procedure. The last Fmoc group of the peptide was removed on the
synthesizer, and the free amino group was then condensed with pyridoxal.
The Schiff base formed was selectively reduced using sodium

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cyanoborohydride. The product was cleaved from the resin using a std. procedure. No deleterious effects were found when using the protected amino acids Fmoc-L-Ala-OH, Fmoc-L-Arg(Pmc)-OH (Pmc = 2,2,5,7,8-pentamethylchroman-6-sulfonyl), Fmoc-L-Asp(OCMe3)-OH, Fmoc-L-His(CMe3)-OH, Fmoc-L-Ser(CMe3)-OH, Fmoc-L-Thr(CMe3)-OH, and Fmoc-L-Cys(CMe3)-OH for peptide synthesis. A vitamin B6-peptide-oligonucleotide conjugate could be synthesized using a cysteinyl peptide and a suitably activated oligonucleotide.

IT 160056-07-5P 160056-09-7P

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of, via solid-phase peptide synthesis and on-resin reductive alkylation with pyridoxal)

IT 160056-08-6P

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of, via solid-phase peptide synthesis and on-resin reductive

alkylation with pyridoxal, and S-alkylation of, with

(iodoacetyl)oligonucleotide)

L3 ANSWER 21 OF 24 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:

1995:4160 HCAPLUS

DOCUMENT NUMBER:

122:139492

TITLE:

Oligonucleotide-poly-L-ornithine conjugates: binding

to complementary DNA and RNA

AUTHOR(S):

Zhu, Tianmin; Wei, Ziping; Tung, Ching Hsuan; Dickerhof, Walter A.; Breslauer, Kenneth J.;

Georgopoulos, Denise E.; Leibowitz, Michael J.; Stein,

Stanley

CORPORATE SOURCE:

Cent. Adv. Biotechnol. Med., Piscataway, NJ, 08854,

USA

SOURCE:

Antisense Research and Development (1993), 3(3),

265-75

CODEN: AREDEI; ISSN: 1050-5261

DOCUMENT TYPE:

Journal English

LANGUAGE:

On the basis of the reported enhanced antisense activity of

polylysine-oligonucleotide conjugates, a synthetic 12-mer

oligodeoxyribonucleotide has been coupled at its 5' terminus to a series of pos. charged (.delta.-ornithine)ncysteine peptides. Binding between the nucleic acid-peptide conjugate and its complementary DNA target sequence was detected by the impact of complexation on the melting temp. (Tm). It was found that the Tm for the nucleic acid-peptide gradually increased with increasing net charge on the conjugated peptide.

Site-directed cleavage with RNase H demonstrates that the peptide-modified oligomer also hybridizes with its RNA target sequence. Increased affinity for target mRNA with net charge was shown by a cell-free translation

IT 160741-45-7P 160741-46-8P 160741-47-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(oligonucleotide-polyornithine conjugates binding to complementary DNA and RNA)

L3 ANSWER 22 OF 24 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1994:580123 HCAPLUS

DOCUMENT NUMBER:

arrest assav.

121:180123

TITLE:

Paired-ion oligonucleotides and methods for preparing

same

INVENTOR(S):
PATENT ASSIGNEE(S):

Tung, Ching Hsuan; Tung, Ching-hsuan; Zhu, Tianmin University of Medicine and dentistry of New Jersey,

USA

SOURCE:

PCT Int. Appl., 52 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE --------------A1 19931014 WO 1993-US3161 19930405 WO 9320090 W: AT, AU, BB, BG, BR, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE; BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG AU 9339454 A1 19931108 AU 1993-39454 19930405 PRIORITY APPLN. INFO.: US 1992-850555 19920406 WO 1993-US3161 19930405

AB A paired-ion oligonucleotide comprising a polyanionic oligonucleotide covalently bonded to a polycatonic polymer via a crosslinking agent, was prepd. The products have enhanced hybridization strengths. Thus, the pseudopeptide-linked oligonucleotide I [X = maleimidobenzoylaminohexyl] was prepd. from the pseudopeptide and the oligonucleotide. I was more effective in inhibiting the translation of its target mRNA from killer virus of yeast into protein than the unconjugated 5'-CATTTCTTTATT-3'.

IT 156311-81-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. and reaction of, in prepn. of oligonucleotide-pseudoprotein conjugate)

L3 ANSWER 23 OF 24 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1990:99263 HCAPLUS

DOCUMENT NUMBER: 112:99263

TITLE: Preparation of antitumor isopolypeptides and

pharmaceutical compositions

INVENTOR(S): Szokan, Gyula; Tyihak, Erno; Szende, Bela; Lapis,

Karoly; Gaborjanyi, Richard; Almas, Marta

PATENT ASSIGNEE(S): Magyar Tudomanyos Akademia, Kutatas- es

Szervezetelemzo Intezet, Hung.; Magyar Tudomanyos

Akademia, Novenyvedelmi Kutato Intezet

SOURCE: Fr. Demande, 44 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent LANGUAGE: French

LANGUAGE: Frem FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2622195	A1	19890428	FR 1988-13807	19881021
HU 48279	A2	19890529	ни 1987-4723	19871021
HU 202553	В	19910328	•	
CN 1033633	Α	19890705	CN 1988-107253	19881020
DK 8805859	Α	19890422	DK 1988-5859	19881021
SE 8803765	Α	19890422	SE 1988-3765	19881021
FÍ 8804890	Α	19890422	FI 1988-4890	19881021
NL 8802604	Α	19890516	NL 1988-2604	19881021
DE 3835962	A1	19890601	DE 1988-3835962 ·	19881021
GB 2212810	A1	19890802	GB 1988-24694	19881021
ES 2012559	A6	19900401	ES 1988-3218	19881021
JP 02124861.	A2	19900514	JP 1988-264255	19881021
PRIORITY APPLN. INFO.	:		HU 1987-4723	19871021
GI				

The title compds. [I; R4-R10 = H, alkyl; r = 10-400; m, n = 0, integer AB 1-10], useful as antitumor agents, are prepd. BOC-NH(CH2)4CH(NHZ)CO2Q (Q = C6H4NO2-p) was deprotected to give H2N(CH2)4CH(NHZ)CO2Q, which was coupled with BOC-NH(CH2)4CH(NHZ)CO2CO2CH2CHMe2 (II) to give BOC-NH(CH2)4CH(NHZ)CONH(CH2)4CH(NHZ)CO2Q. This was coupled with II to give BOC[NH(CH2)4CH(NHZ)CO]3OQ (III). III.HCl was polymd. in Me2SO contg. Et3N to give poly-.epsilon.-N.alpha.-benzyloxycarbonyl-L-lysine, which was deprotected and treated with HBr to give poly-.epsilon.-L-lysine-HBr. tetradecamer of isopolylysine at 100 .mu.g/mL in vitro showed 100% inhibition of K-562 cells (5 .times. 104-mL) after 48 h incubation, whereas the concn. of cells grew to 130 .times. 103 cells/mL for the control.

125156-34-5P ΙT

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of, as intermediate for antitumor isopolypeptides)

IΤ 125156-33-4

> RL: RCT (Reactant); RACT (Reactant or reagent) (reaction of, in prepn. of antitumor isopolypeptides)

HCAPLUS COPYRIGHT 2003 ACS T.3 ANSWER 24 OF 24

ACCESSION NUMBER:

1981:462659 HCAPLUS

DOCUMENT NUMBER:

95:62659

TITLE:

Poly(.delta.-L-ornithine)

AUTHOR(S):

Mathur, K. B.; Pandey, R. K.; Jagannadham, M. V.;

Balasubramanian, D.

CORPORATE SOURCE:

SOURCE:

Med. Chem. Div., Cent. Drug Res. Inst., Lucknow, India International Journal of Peptide & Protein Research

(1981), 17(2), 189-96CODEN: IJPPC3; ISSN: 0367-8377

DOCUMENT TYPE:

LANGUAGE:

Journal English

For diagram(s), see printed CA Issue. GI

The title isopolypeptide (I) was prepd. by esterifying tripeptide II (BOC AΒ = Me3CO2C, Z = CO2CH2Ph, R = H) with HOC6Cl5 by DCC, Z-deblocking the resulting II (R = C6Cl5) by hydrogenolysis over Pd/C in MeOH contg. HCl/THF, polymg. the resulting Z-deblocked tripeptide in Me2SO contg. Et3N, and BOC-deblocking the resulting protected polymer (III). II (R =H) was prepd. by stepwise peptide couplings in soln. CD data indicated that I and III adopted a conformation in soln. similar to the .beta.-pleated sheet.

TΤ 78397-46-3P

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. and acidification of)

ΙT 78397-45-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent).

(prepn. and esterification of, with pentachlorophenols)

TΤ 78397-47-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. and hydrogenolysis of)

IT 78408-95-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

```
(prepn. and polymn. of)
     78397-44-1P
IT
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (prepn. and sapon. of)
=>
=> fil caold
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.
STRUCTURE FILE UPDATES:
                           7 JUL 2003
                                        HIGHEST RN 544408-69-7
DICTIONARY FILE UPDATES:
                           7 JUL 2003
                                       HIGHEST RN 544408-69-7
TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003
  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.
Crossover limits have been increased. See HELP CROSSOVER for details.
```

in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties

Page 18

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=> d ide can 12 1-51

L2 ANSWER 1 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 442878-14-0 REGISTRY

CN L-Ornithine, N2, N5-bis[N2, N5-bis(L-threonyl-L-lysyl-L-prolyl-L-arginyl)-L-ornithyl]- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

MF C99 H184 N38 O24

SR CA

LC. STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A

PAGE 2-A

PAGE 2-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CA, CAPLUS

- 1 REFERENCES IN FILE CA (1957 TO DATE)
- 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
- 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 137:103865

ANSWER 2 OF 51 REGISTRY COPYRIGHT 2003 ACS 400748-18-7 REGISTRY Glycinamide, N2-[(3,4-dihydro-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-L2RN CN [(3, 4-dihydro-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl-N5-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl-N5-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl-N5-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl-N5-[(3, 4-dioxo-1(2H)-pyrimdioxo-1(2H)-pyrimidinyl) acetyl]-N5-[N2-[(3,4-dihydro-2,4-dioxo-1(2H)pyrimidinyl) acetyl] -N5-[N2-[(3,4-dihydro-2,4-dioxo-1(2H)pyrimidinyl) acetyl] -N5-[N2-[(3,4-dihydro-2,4-dioxo-1(2H)pyrimidinyl) acetyl]-N5-[N2-[(3, 4-dihydro-2, 4-dioxo-1(2H)pyrimidinyl) acetyl] -N5-[N2-[(3,4-dihydro-2,4-dioxo-1(2H)pyrimidinyl) acetyl] -N5-[N2-[(3,4-dihydro-2,4-dioxo-1(2H)pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-2,4-dioxo-1(2H)pyrimidinyl)acetyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-Lornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl (9CI) (CA INDEX NAME) FS STEREOSEARCH MF C112 H146 N42 O41 SR

Absolute stereochemistry.

STN Files:

LC

PAGE 1-A

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1957 TO DATE)
- 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
- 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 137:103865

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L2
                 ANSWER 2 OF 51 REGISTRY COPYRIGHT 2003 ACS
RN
                 400748-18-7 REGISTRY
CN
                 Glycinamide, N2-[(3,4-dihydro-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-
                 [(3, 4-dihydro-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3, 4-dihydro-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3, 4-dihydro-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3, 4-dihydro-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3, 4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3, 4-dioxo-1(H)-pyrimidinyl)acetyl-N2-[(3, 4-dioxo-1(H)-pyrimidinyl)acetyl-N2-[(3, 4-dioxo-1(H)-pyrimidinyl)acetyl-N2-[(3, 4-dioxo-1(H)-pyrim
                 dioxo-1(2H)-pyrimidiny1)acety1]-N5-[N2-[(3,4-dihydro-2,4-dioxo-1(2H)-
                 pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-2,4-dioxo-1(2H)-
                 pyrimidinyl) acetyl]-N5-[N2-[(3,4-dihydro-2,4-dioxo-1(2H)-
                pyrimidinyl) acetyl] -N5-[N2-[(3, 4-dihydro-2, 4-dioxo-1(2H)-
                pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-2,4-dioxo-1(2H)-
                pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-2,4-dioxo-1(2H)-
                pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-2,4-dioxo-1(2H)-
                pyrimidinyl)acetyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-
                 ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl-
                 (9CI)
                                        (CA INDEX NAME)
                 STEREOSEARCH
FS
                C112 H146 N42 O41
MF
SR
                CA
LC
                STN Files:
                                                           CA, CAPLUS
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Absolute stereochemistry.

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1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 136:200464

L2 ANSWER 3 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 400748-12-1 REGISTRY

Glycinamide, N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl

pyrimidinyl)acetyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl-L-ornithyl-L-ornithyl-

FS STEREOSEARCH

MF C122 H166 N42 O41

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A

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PAGE 1-C

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 136:200464

L2 ANSWER 4 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 400748-06-3 REGISTRY

CN Glycine, N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-L-

FS STEREOSEARCH

MF C64 H89 N21 O22

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A

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Me O H<sub>2</sub>N (CH<sub>2</sub>) 3 Me O NH O S NH O Me O Me
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1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 136:200464

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L2
                ANSWER 5 OF 51 REGISTRY COPYRIGHT 2003 ACS
                400747-94-6 REGISTRY
RN
CN
                Glycinamide, N2-[(3,4-dihydro-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-
                [(3, 4-dihydro-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3, 4-dihydro-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3, 4-dihydro-2, 4-diox
                dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-2,4-dioxo-1(2H)-
                pyrimidinyl) acetyl]-N5-[N2-[(3,4-dihydro-2,4-dioxo-1(2H)-
                pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-2,4-dioxo-1(2H)-
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                                        (CA INDEX NAME)
                 (9CI)
FS
                STEREOSEARCH
MF
                C112 H146 N42 O41
SR
                CA
LC
                STN Files:
                                                           CA, CAPLUS
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Absolute stereochemistry.

PAGE 1-A

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PAGE 1-C

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 136:200464

L2 ANSWER 6 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 400747-88-8 REGISTRY

CN Glycinamide, N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl-(9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C122 H166 N42 041

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A

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PAGE 1-C

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 136:200464

L2 ANSWER 7 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 400747-81-1 REGISTRY

CN Glycine, N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl-, ethyl ester (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C64 H89 N21 O22

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A

PAGE 1-B

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 136:200464

L2 ANSWER 8 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 354821-33-3 REGISTRY

CN L-Alanine, 3-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)-L-alanyl-N5-[3-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)-L-alanyl-N5-[3-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)-L-alanyl-N5-[3-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)-L-alanyl-N5-[3-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)-L-alanyl-N5-[3-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)-L-alanyl-N5-[3-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)-L-alanyl-N5-[3-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)-L-alanyl-N5-[3-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)-L-alanyl-N5-[3-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)-L-alanyl-N5-L-phenylalanyl-L-ornithyl]-L-

FS PROTEIN SEQUENCE; STEREOSEARCH

MF C142 H206 N52 O43

SR CA

LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

PAGE 1-A

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PAGE 1-D

Me

NH NH

PAGE 2-A

NH2

O

PAGE 2-B

Me

PAGE 2-C

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

1: 135:180940 REFERENCE

L2

RN

ANSWER 9 OF 51 REGISTRY COPYRIGHT 2003 ACS 261167-33-3 REGISTRY Glycinamide, N2,N5-bis[N2,N5-bis(N2,N5-di-L-ornithyl-L-ornithyl)-L-CN ornithyl]-L-ornithyl-2-aminotetradecanoyl-2-aminotetradecanoyl-2- $\verb|aminotetradecanoylglycyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-prolyl-L-lysyl-L-lysyl-L-arginyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-prolyl-L-lysyl$ lysyl-L-valyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

12: PN: WO0016807 FIGURE: 2 claimed sequence CN

PROTEIN SEQUENCE; STEREOSEARCH FS

C161 H316 N50 O27 MF

SR CA

CA, CAPLUS LCSTN Files:

Absolute stereochemistry.

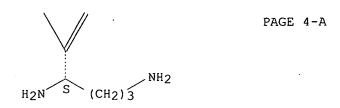
PAGE 1-A

Me (CH₂)₁₁
$$\stackrel{\text{N}}{\underset{\text{H}}{\bigvee}}$$
 $\stackrel{\text{O}}{\underset{\text{CH}_2}{\bigvee}}$ $\stackrel{\text{N}}{\underset{\text{N}}{\bigvee}}$ $\stackrel{\text{CH}_2}{\underset{\text{N}}{\bigvee}}$ $\stackrel{\text{N}}{\underset{\text{N}}{\bigvee}}$ $\stackrel{\text{CH}_2}{\underset{\text{N}}{\bigvee}}$ $\stackrel{\text{N}}{\underset{\text{N}}{\bigvee}}$ $\stackrel{\text{N}}{\underset{\text{N}}{\bigvee}}$ $\stackrel{\text{N}}{\underset{\text{N}}{\bigvee}}$ $\stackrel{\text{N}}{\underset{\text{N}}{\bigvee}}$ $\stackrel{\text{N}}{\underset{\text{N}}{\bigvee}}$ $\stackrel{\text{N}}{\underset{\text{N}}{\bigvee}}$ $\stackrel{\text{N}}{\underset{\text{N}}{\bigvee}}$ $\stackrel{\text{N}}{\underset{\text{N}}{\bigvee}}$ $\stackrel{\text{N}}{\underset{\text{N}}{\bigvee}}$ $\stackrel{\text{N}}{\underset{\text{N}}{\bigvee}}$

PAGE 2-A

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PAGE 3-B



PAGE 4-B

2 REFERENCES IN FILE CA (1957 TO DATE) 2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

132:255952 REFERENCE

132:227244 REFERENCE 2:

ANSWER 10 OF 51 REGISTRY COPYRIGHT 2003 ACS L2

RN

261167-32-2 REGISTRY Glycinamide, N2, N5-bis(N2, N5-di-L-ornithyl-L-ornithyl)-L-ornithyl-2-CN aminotetradecanoyl-2-aminotetradecanoyl-2-aminotetradecanoylglycyl-Lprolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl- (9CI) (CA INDEX

PROTEIN SEQUENCE; STEREOSEARCH FS

MFC121 H236 N34 O19

SR CA

CA, CAPLUS LC STN Files:

Absolute stereochemistry.

PAGE 1-A

PAGE 2-B

PAGE 3-A

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 132:227244

L2 ANSWER 11 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 261167-31-1 REGISTRY

CN Tetradecanamide, N2, N5-bis[N2, N5-bis(N2, N5-di-L-ornithyl-L-ornithyl)-L-ornithyl]-L-ornithyl-2-aminotetradecanoyl-2-aminotetradecanoyl-2-amino-(9CI) (CA INDEX NAME)

OTHER NAMES:

CN 10: PN: WO0016807 FIGURE: 2 claimed sequence

FS PROTEIN SEQUENCE; STEREOSEARCH

MF C117 H234 N34 O18

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-B

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-NH₂

2 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 132:255952

REFERENCE 132:227244 2:

ANSWER 12 OF 51 REGISTRY COPYRIGHT 2003 ACS L2

261167-30-0 REGISTRY RN

Tetradecanamide, N2,N5-bis(N2,N5-di-L-ornithyl-L-ornithyl)-L-ornithyl-2-CN aminotetradecanoyl-2-aminotetradecanoyl-2-amino- (9CI) (CA INDEX NAME)

OTHER NAMES:

9: PN: WO0016807 FIGURE: 2 claimed sequence

FS PROTEIN SEQUENCE; STEREOSEARCH

MF C77 H154 N18 O10

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A

$$\begin{array}{c} \text{Me} \\ \text{(CH2)}_{11} \\ \text{HN} \\ \text{O} \\ \text{NH2} \\ \text{(CH2)}_{11} \\ \text{NH}_{2} \\ \text{(CH2)}_{11} \\ \text{NH}_{2} \\ \text{(CH2)}_{11} \\ \text{NH}_{2} \\ \text{(CH2)}_{11} \\ \text{($$

PAGE 2-A

2 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 132:255952

REFERENCE 2: 132:227244

L2 ANSWER 13 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 244785-60-2 REGISTRY

L-Ornithinamide, N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[1-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-L-ornithyl]-L-ornithyl]-L-ornithyl-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[1-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-L-ornithyl]-L-ornithyl]-L-ornithylglycyl]- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C167 H162 N42 O26

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry. Double bond geometry as shown.

PAGE 1-A

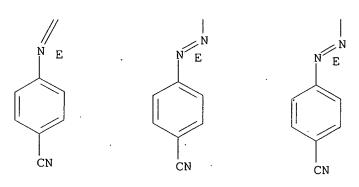
PAGE 1-C

PAGE 1-D

PAGE 2-A

Ε Ε

PAGE 2-B



PAGE 2-C

1 REFERENCES IN FILE CA (1957 TO DATE) 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 131:257847

ANSWER 14 OF 51 REGISTRY COPYRIGHT 2003 ACS L2 244785-58-8 REGISTRY RN

L-Ornithinamide, N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-CN [4-[(1E)-(4-cyanophenyl)] azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-[(1E)-(1E)-(1E)-(1E)-(1E)]]] cyanophenyl) azo] phenoxy] acetyl] -N5-[N-[[4-[(1E)-(4cyanophenyl)azo]phenoxy]acetyl]-L-alanyl]-L-ornithyl]-L-ornithyl]-Lornithy1-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo] phenoxy] acetyl]-N5-[N2-[(4-(1E)-(1E)-(4-(1E)-(4-(1E)-(4-(1E)-(4-(1E)-(4cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4cyanophenyl)azo]phenoxy]acetyl]-L-alanyl]-L-ornithyl]-L-ornithyl]-Lornithylglycyl]- (9CI) (CA INDEX NAME)

STEREOSEARCH FS

C163 H158 N42 O26 MF

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry. Double bond geometry as shown.

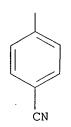
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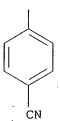
PAGE 1-B

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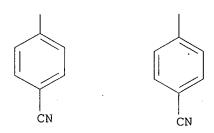
PAGE 1-D

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- 1 REFERENCES IN FILE CA (1957 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 131:257847

- L2 ANSWER 15 OF 51 REGISTRY COPYRIGHT 2003 ACS
- RN 244785-46-4 REGISTRY
- CN L-Lysinamide, N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-L-ornithyl]-L-ornithyl]-L-ornithyl-N6-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-L-ornithyl]-L-ornithyl]-L-ornithylglycyl]- (9CI) (CA INDEX NAME)
- FS STEREOSEARCH

MF C162 H156 N42 O26

SR CA

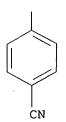
LC STN Files: CA, CAPLUS

Absolute stereochemistry. Double bond geometry as shown.

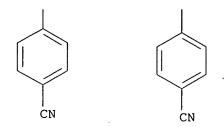
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

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1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 131:257847

ANSWER 16 OF 51 REGISTRY COPYRIGHT 2003 ACS L2 RN 244785-45-3 REGISTRY CN L-Ornithinamide, N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-incomplete] N5-[N2-incomplete]cyanophenyl) azo] phenoxy] acetyl] -N5-[N-[[4-[(1E)-(4cyanophenyl)azo]phenoxy]acetyl]glycyl]-L-ornithyl]-L-ornithyl]-L-ornithyl-cyanophenyl) azo] phenoxy] acetyl] -N5-[N2-[[4-[(1E)-(4cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4cyanophenyl)azo]phenoxy]acetyl]glycyl]-L-ornithyl]-L-ornithyl]-Lornithylglycyl] - (9CI) (CA INDEX NAME) ·FS STEREOSEARCH C161 H154 N42 O26 MF SR CA

Absolute stereochemistry.
Double bond geometry as shown.

CA, CAPLUS

STN Files:

LC

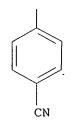
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

PAGE 1-B

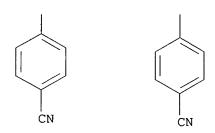
PAGE 1-C

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- 1 REFERENCES IN FILE CA (1957 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 131:257.847

- ANSWER 17 OF 51 REGISTRY COPYRIGHT 2003 ACS L2
- RN 244785-44-2 REGISTRY
- CN [(1E)-(4-cyanophenyl)azo] phenoxy] acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]glycyl]-L-ornithyl]-L-ornithyl]-L-ornithyl-N4 - [N2 - [(4 - (1E) - (4 - cyanophenyl)azo]phenoxy]acetyl] - N5 - [N2 - [(4 - (1E) - (4 - (1E) - (cyanophenyl) azo] phenoxy] acetyl] -N5-[N2-[[4-[(1E)-(4cyanophenyl) azo] phenoxy] acetyl] -N5-[N-[[4-[(1E)-(4cyanophenyl)azo]phenoxy]acetyl]glycyl]-L-ornithyl]-L-ornithyl]-Lornithylglycyl]-2,4-diamino-, (2S)- (9CI) (CA INDEX NAME)
- FS STEREOSEARCH

MF C160 H152 N42 O26

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry. Double bond geometry as shown.

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CN

CN

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1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 131:257847

L2 ANSWER 18 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 244785-43-1 REGISTRY

L-Alaninamide, N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]glycyl]-L-ornithyl]-L-ornithyl-3-[[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(

 $\label{lem:cyanophenyl} $$ cyanophenyl) azo] phenoxy] acetyl] glycyl]-L-ornithyl]-L-ornithyl]-L-ornithylglycyl] amino]- (9CI) (CA INDEX NAME)$

FS STEREOSEARCH

MF C159 H150 N42 O26

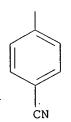
SR CA

LC STN Files: CA, CAPLUS

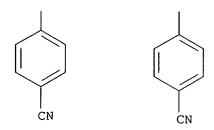
Absolute stereochemistry. Double bond geometry as shown.

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1 REFERENCES IN FILE CA (1957 TO DATE) 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 131:257847

- L2 ANSWER 19 OF 51 REGISTRY COPYRIGHT 2003 ACS
- 244785-37-3 REGISTRY RN
- CN

cyanophenyl)azo]phenoxy]acetyl]glycyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-

L-ornithyl]- (9CI) (CA INDEX NAME)

STEREOSEARCH FS

MF C117 H110 N30 O18

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry. Double bond geometry as shown.

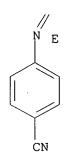
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1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 131:257847

L2 ANSWER 20 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 244061-02-7 REGISTRY

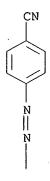
CN 3,6,12,18,24,30-Hexaazapentatriacontan-35-amide, 1-[4-[(4-cyanophenyl)azo]phenoxy]-10,16,22,28,34-pentakis[[[4-[(4-cyanophenyl)azo]phenoxy]acetyl]amino]-2,5,11,17,23,29-hexaoxo-(9CI) (CAINDEX NAME)

FS 3D CONCORD

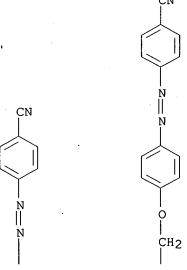
MF C117 H110 N30 O18

SR CA

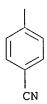
LC STN Files: CA, CAPLUS



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- 1 REFERENCES IN FILE CA (1957 TO DATE) 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 131:235657

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ANSWER 21 OF 51 REGISTRY COPYRIGHT 2003 ACS
L2
                    207803-05-2 REGISTRY
RN
                    CN
                     [N5-[N5-acetyl-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
                    pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
                    pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
                    pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
                    pyrimidinyl) acetyl]-L-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
                    pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
                    pyrimidiny1) acety1]-L-ornithy1]-N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(H)-1)]+N2-[(3,4-dihydro-5-methy1-2,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+N2-[(3,4-dioxo-1(H)-1)]+
                    pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
                    pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
                    pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
                    pyrimidinyl)acetyl]-L-ornithyl-L-lysinamide (1:1) (9CI)
                                                                                                                                                                                                                                                      (CA INDEX NAME)
OTHER CA INDEX NAMES:
                    dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-
                    dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-
                    dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-
                    dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-
                    dihydro-5-methyl-2, 4-dioxo-1(2H)-pyrimidinyl)\\ acetyl]-L-ornithyl]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methyl)]-N2-[(3,4-methy
                    dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-
                    dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-
                    \label{lem:dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-methyl-2,4-meth
                    dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-
                    dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl-, complex
                    with RNA (A-A-A-A-A-A-A-A-A) (1:1) (9CI)
                    NUCLEIC ACID SEQUENCE; STEREOSEARCH
FS
MF
                    C128 H177 N43 O42 . Unspecified
SR
LC
                    STN Files:
                                                                        CA, CAPLUS
```

RELATED SEQUENCES AVAILABLE WITH SEQLINK

CM 1

CRN 207597-64-6 CMF C128 H177 N43 O42

Absolute stereochemistry.

Me Me (CH2)3 S NH (CH2)3 S NH

PAGE 1-B

PAGE 1-C

CM 2

CRN 52206-42-5

CMF Unspecified

CCI MAN

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*.** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 129:16363

L2 ANSWER 22 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 207803-03-0 REGISTRY

Russel 10 018806

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[N5-[N5-acetyl-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
          pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
          pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
          pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
          pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
          pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
          pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
          pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
          pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
          pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
          pyrimidinyl)acetyl]-D-ornithyl-L-lysinamide (1:1) (9CI)
OTHER CA INDEX NAMES:
          dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-
          dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-
          dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-
          dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-
          dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-
          dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-
          \label{lem:dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrimidinyl-[(3,4-methyl-2,4-dioxo-1(2H)-pyrim
          dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-
          dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-
          dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl-, complex
          with RNA (A-A-A-A-A-A-A-A-A) (1:1) (9CI)
FS
          NUCLEIC ACID SEQUENCE; STEREOSEARCH
          C128 H177 N43 O42 . Unspecified
MF
SR
LC
          STN Files:
                                     CA, CAPLUS
```

RELATED SEQUENCES AVAILABLE WITH SEQLINK

CM 1

CRN 207597-65-7

CMF C128 H177 N43 O42

Absolute stereochemistry.

PAGE 1-B

PAGE 1-C

CM 2

CRN 52206-42-5

CMF Unspecified

CCI MAN

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 129:16363

L2 ANSWER 23 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 207597-66-8 REGISTRY

Russel 10 018806

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dihydro-5-methyl-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3, 4-dihydro-5-methyl-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3, 4-dihydro-5-methyl-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3, 4-dihydro-5-methyl-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3, 4-dihydro-5-methyl-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3, 4-dihydro-5-methyl-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3, 4-dihydro-5-methyl-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3, 4-dihydro-5-methyl-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl- (9CI) (CA INDEX NAME) STEREOSEARCH C128 H177 N43 O42 CA STN Files: CA, CAPLUS
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Absolute stereochemistry.

FS

MF

SR

LC

$$(CH_2)_3 \xrightarrow{R} (CH_2)_3 \xrightarrow{N} (CH_2)_3 \xrightarrow{N}$$

PAGE 1-C

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 129:16363

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L2
                            ANSWER 24 OF 51 REGISTRY COPYRIGHT 2003 ACS
RN
                             207597-65-7 REGISTRY
CN
                             dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-
                             \label{lem:dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl-N2-[(3,4-dioxo-1(2H)-p
                            dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2
                             dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-
                             dihydro-5-methyl-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-
                             dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-
                             dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl]-N2-[(3,4-
                            dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-D-ornithyl- (9CI)
                              (CA INDEX NAME)
FS
                            STEREOSEARCH
                            C128 H177 N43 O42
MF
CI
                            COM
SR
                            CA
LC
                            STN Files:
                                                                                                       CA, CAPLUS
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Absolute stereochemistry.

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 129:16363

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ANSWER 25 OF 51 REGISTRY COPYRIGHT 2003 ACS
                             207597-64-6 REGISTRY
RN
                            CN
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                            dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N2-[(3,4-dioxo-1(2H)-pyrimidinyl)acetyl]-
                             dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-
                             dihydro-5-methyl-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-
                             dihydro-5-methyl-2, 4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-
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                             dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-N2-[(3,4-
                             dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl- (9CI)
                               (CA INDEX NAME)
                            STEREOSEARCH
FS
                            C128 H177 N43 O42
MF
                            COM
CI
SR
                            CA
LC
                            STN Files:
                                                                                                        CA, CAPLUS
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 129:16363

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L2
                                               ANSWER 26 OF 51 REGISTRY COPYRIGHT 2003 ACS
                                              202926-79-2 REGISTRY
L-Ornithine, N2-[2-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
 RN
CN
                                                 pyrimidiny1)ethy1]-N5-[N2-[2-(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-
                                               pyrimidiny1) ethy1]-N5-[N2-[2-(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy
                                               pyrimidiny1) ethy1]-N5-[N2-[2-(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(2H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy1-2,4-dioxo-1(H)-methy
                                               pyrimidinyl)ethyl]-N5-[N2-[2-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(2H)-dioxo-1(H
                                               pyrimidiny1) ethy1]-N5-[N2-[2-(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-
                                               pyrimidiny1)ethy1]-N5-[N2-[2-(3,4-dihydro-5-methy1-2,4-dioxo-1(2H)-
                                               pyrimidinyl) ethyl] -N5-[N2-[2-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
                                               pyrimidinyl) ethyl] -N5-[N2-[2-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
                                               pyrimidinyl) ethyl] -N5-[N2-[2-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-
                                               pyrimidinyl)ethyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-
                                                 ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]- (9CI) (CA
                                                 INDEX NAME)
                                                 STEREOSEARCH
 FS
                                               C120 H182 N40 O31
MF
 SR
                                               CA
 LC
                                                 STN Files:
                                                                                                                                                                            CA, CAPLUS
```

Ме

PAGE 1-D

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 128:167703

L2 ANSWER 27 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 184633-51-0 REGISTRY

CN L-Ornithinamide, N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]glycyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-

FS STEREOSEARCH

MF C137 H129 N35 O21

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry. Double bond geometry as shown.

PAGE 1-A

$$(CH_2)_3$$
 NH
 E
 N
 CN

PAGE 2-C

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 131:257847

REFERENCE 2: 126:118198

REFERENCE 3: 126:39584

L2 ANSWER 28 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 184633-50-9 REGISTRY

CN L-Ornithinamide, N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(4-cyanophenyl)azo]phenoxy]acetyl]-N5-[N2-[[4-[(1E)-(

cyanophenyl)azo]phenoxy]acetyl]glycyl]-L-ornithyl]-L-ornithyl]- (9CI) (CA

INDEX NAME)

FS STEREOSEARCH

MF C77 H72 N20 O12

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry. Double bond geometry as shown.

PAGE 1-A

PAGE 1-B

PAGE 1-C

__ CN

3 REFERENCES IN FILE CA (1957 TO DATE) 3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 131:257847

REFERENCE 2: 126:118198

REFERENCE 3: 126:39584

L2 ANSWER 29 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 178036-67-4 REGISTRY

FS NUCLEIC ACID SEQUENCE; STEREOSEARCH

DR 178095-25-5, 279694-95-0

MF C126 H175 N43 O41 . Unspecified

SR . CA

LC STN Files: CA, CAPLUS

CM 1

CRN 175431-23-9

CMF C126 H175 N43 O41

PAGE 1-A

CM 2

CRN 55508-40-2

CMF Unspecified

CCI MAN

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

3 REFERENCES IN FILE CA (1957 TO DATE)

3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 133:89771

REFERENCE 2: 125:59113

L2 ANSWER 30 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 177913-36-9 REGISTRY

OTHER CA INDEX NAMES:

CN L-Lysinamide, N5-[N5-[N5-[N5-[N5-[N5-[N5-(N5-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl-, decaamide with 3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidineacetic acid, complex with 5'-adenylic acid homopolymer (1:1) (9CI)

FS STEREOSEARCH

MF C126 H175 N43 O41 . 1/2 (C10 H14 N5 O7 P)x

PCT Polynucleotide

SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 175431-23-9

CMF C126 H175 N43 O41

PAGE 1-A

CM 2

CRN 24937-83-5

CMF (C10 H14 N5 O7 P)x

CCI PMS

CM 3.

CRN 61-19-8

CMF C10 H14 N5 O7 P

Absolute stereochemistry.

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 125:59113

L2 ANSWER 31 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 176390-30-0 REGISTRY

CN L-Ornithine, N5-[N5-[N5-[N5-[N5-[N5-(N5-L-ornithyl-L-ornithyl)-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-Lornithyl]-L-ornithyl]-Lorni

FS STEREOSEARCH

MF C40 H82 N16 O9

SR CA

LC STN Files: CA, CAPLUS

$$HO_2C$$
 S
 $(CH_2)_3$
 H
 S
 $(CH_2)_3$

PAGE 1-B

$$\begin{array}{c|c} & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ &$$

PAGE 1-C

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 2 REFERENCES IN FILE CA (1957 TO DATE)
- 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
- 2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 125:2444

REFERENCE 2: 124:308720

L2 ANSWER 32 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 175431-26-2 REGISTRY

CN D-Lysinamide, N5-[N5-[N5-[N5-[N5-[N5-[N5-[N5-(N5-L-ornithyl-D-ornithyl)-L-ornithyl]-D-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-D-ornithyl]-L-ornithyl]-D-ornithyl-, decaamide with 3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidineacetic acid (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C126 H175 N43 O41

SR CA

LC STN Files: CA, CAPLUS

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1957 TO DATE)
- 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
- 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 124:290226

- L2 ANSWER 33 OF 51 REGISTRY COPYRIGHT 2003 ACS
- RN 175431-25-1 REGISTRY
- CN D-Lysinamide, N5-[N5-[N5-[N5-[N5-[N5-[N5-(N5-(N5-D-ornithyl)-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl]-D-ornithyl-, decaamide with 3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidineacetic acid (9CI) (CA INDEX NAME)
- FS STEREOSEARCH
- MF C126 H175 N43 O41
- SR CA
- LC STN Files: CA, CAPLUS

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PAGE 1-B

PAGE 1-C

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1957 TO DATE)
- 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
- 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 124:290226

- L2 ANSWER 34 OF 51 REGISTRY COPYRIGHT 2003 ACS
- RN 175431-23-9 REGISTRY
- CN L-Lysinamide, N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimid

 $\label{eq:pyrimidinyl} $$ \operatorname{pyrimidinyl} (3, 4-\operatorname{dihydro-5-methyl-2}, 4-\operatorname{dioxo-1}(2H)-\operatorname{pyrimidinyl}) = N5-[N2-[(3, 4-\operatorname{dihydro-5-methyl-2}, 4-\operatorname{dioxo-1}(2H)-\operatorname{pyrimidinyl}) = L-\operatorname{ornithyl}]-L-\operatorname{orn$

FS STEREOSEARCH

MF C126 H175 N43 O41

CI COM

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 2 REFERENCES IN FILE CA (1957 TO DATE)
- 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
- 2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 125:59113

REFERENCE 2: 124:290226

L2 ANSWER 35 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 171772-43-3 REGISTRY

FS STEREOSEARCH

MF C56 H112 N22 O13 S2

SR CA

LC STN Files: CA, CAPLUS

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PAGE 1-C

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 124:108909

L2 ANSWER 36 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 168264-36-6 REGISTRY

Glycine, N-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-L-or

FS STEREOSEARCH

MF C86 H117 N29 O30

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

PAGE 1-A

PAGE 1-C

__0

`Me

- **PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

 - 1 REFERENCES IN FILE CA (1957 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 123:257406

L2 ANSWER 37 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 168264-35-5 REGISTRY

CN Glycine, N-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-N5-[N2-[(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)acetyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C38 H53 N13 O14

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

Me N
$$(CH_2)_3$$
 NH_2 $(CH_2)_3$ $(CH_2)_3$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

· 1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 123:257406

L2 ANSWER 38 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 160741-47-9 REGISTRY

FS STEREOSEARCH

MF C63 H128 N26 O13 S

SR CA

LC STN Files: CA, CAPLUS

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PAGE 1-B

$$\begin{array}{c|c}
 & \text{NH2} \\
 & \text{S} \\
 & \text{(CH2)} \\
 & \text{S}
\end{array} \\
 & \text{(CH2)} \\
 & \text{S}
\end{array} \\
 & \text{(CH2)} \\
 & \text{S}
\end{array} \\
 & \text{(CH2)} \\
 & \text{S}$$

PAGE 1-D

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE) 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

_ -----

REFERENCE 1: 122:139492

- L2 ANSWER 39 OF 51 REGISTRY COPYRIGHT 2003 ACS
- RN 160741-46-8 REGISTRY
- CN L-Cysteinamide, N5-(N5-L-ornithyl-L-ornithyl)-L-ornithyl- (9CI) (CA INDEX NAME)
- FS STEREOSEARCH
- MF C18 H38 N8 O4 S
- SR 'CA
- LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 122:139492

L2 ANSWER 40 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 160741-45-7 REGISTRY

CN L-Cysteinamide, N5-[N5-[N5-[N5-[N5-[N5-(N5-L-ornithyl-L-ornithyl)-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl-(9CI) (CA INDEX NAME)

FS STEREOSEARCH

HS

MF C43 H88 N18 O9 S

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A

NH2

$$H_{2N}$$
 H_{2N}
 H_{2N}

PAGE 1-C

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 122:139492

L2 ANSWER 41 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 160056-09-7 REGISTRY

FS STEREOSEARCH

MF C71 H137 N27 O15 S

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A

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$$NH_2$$
 S
 $CH_2)_3$
 H
 S
 $CH_2)_3$

PAGE 1-C

$$\begin{array}{c|c} H & NH2 & H & NH2 \\ H & N & S & (CH_2) & 3 & H & S \\ \hline \\ O & O & O & O & O \end{array}$$

PAGE 1-D

$$\begin{array}{c|c} & & & & & & & & \\ & & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & \\ & & \\$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 122:56488

L2 ANSWER 42 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 160056-08-6 REGISTRY

CN L-Cysteinamide, N2-[N5-[N5-[N5-[N5-[N5-[N5-[N5-[N5-[N5-[[3-hydroxy-5-(hydroxymethyl)-2-methyl-4-pyridinyl]methyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-(9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C51 H97 N19 O11 S

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A

$$NH_2$$
 HO N H N H N H N Me

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 122:56488

L2 ANSWER 43 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 160056-07-5 REGISTRY

CN L-Cysteinamide, N5-[N5-[N5-[[3-hydroxy-5-(hydroxymethyl)-2-methyl-4-pyridinyl]methyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-L-ornithyl- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C26 H47 N9 O6 S

SR CF

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A

$$H_2N$$
 H_3
 H_4
 H_5
 H_5
 H_5
 H_6
 H_7
 H_8
 H_8

PAGE 1-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 122:56488

L2 ANSWER 44 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 156311-81-8 REGISTRY

FS STEREOSEARCH

DR 172207-32-8

MF C75 H130 N24 O16 S

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

PAGE 1-B

PAGE 1-D

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE) 2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 124:66581

REFERENCE 121:180123 2:

ANSWER 45 OF 51 REGISTRY COPYRIGHT 2003 ACS L2

RN

125156-34-5 REGISTRY L-Ornithine, N2-[(phenylmethoxy)carbonyl]-N5-[N2-[(phenylmethoxy)carbonyl]-CN N5-[N2-[(phenylmethoxy)carbonyl]-L-ornithyl]-L-ornithyl]-, 4-nitrophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C45 H53 N7 O12 . Cl H

SR CA

CA, CAPLUS, TOXCENTER LC STN Files:

Absolute stereochemistry.

HC1

PAGE 1-B

Ph

__NH2

1 REFERENCES IN FILE CA (1957 TO DATE) 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 112:99263

ANSWER 46 OF 51 REGISTRY COPYRIGHT 2003 ACS L2

RN. 125156-33-4 REGISTRY

L-Ornithine, N5-[N5-[N5-[(1,1-dimethylethoxy)carbonyl]-N2-CN [(phenylmethoxy)carbonyl]-L-ornithyl]-N2-[(phenylmethoxy)carbonyl]-Lornithyl]-N2-[(phenylmethoxy)carbonyl]-, 4-nitrophenyl ester (9CI) (CA INDEX NAME)

FS STEREOSEARCH MF C50 H61 N7 O14

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

PAGE 1-B

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 112:99263

L2 ANSWER 47 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 78408-95-4 REGISTRY

CN L-Ornithine, N2-[(1,1-dimethylethoxy)carbonyl]-N5-[N2-[(1,1-dimethylethoxy)carbonyl]-N5-[N2-[(1,1-dimethylethoxy)carbonyl]-L-ornithyl]-L-ornithyl]-L-ornithyl]-, pentachlorophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C36 H55 C15 N6 O10 . C1 H

LC STN Files: CA, CAPLUS

● HCl

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 95:62659

L2 ANSWER 48 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 78397-47-4 REGISTRY

CN L-Ornithine, N2-[(1,1-dimethylethoxy)carbonyl]-N5-[N2-[(1,1-dimethylethoxy)carbonyl]-N5-[N2-[(1,1-dimethylethoxy)carbonyl]-N5-[(phenylmethoxy)carbonyl]-L-ornithyl]-L-ornithyl]-, pentachlorophenyl ester (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C44 H61 C15 N6 O12

LC STN Files: CA, CAPLUS

PAGE 1-B

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 95:62659

L2 ANSWER 49 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 78397-46-3 REGISTRY

CN L-Ornithine, N2-[(1,1-dimethylethoxy)carbonyl]-N5-[N2-[(1,1-dimethylethoxy)carbonyl]-N5-[N2-[(1,1-dimethylethoxy)carbonyl]-N5-[(phenylmethoxy)carbonyl]-L-ornithyl]-L-ornithyl]-, compd. with N-cyclohexylcyclohexanamine (1:1) (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C38 H62 N6 O12 . C12 H23 N LC STN Files: CA, CAPLUS

CM 1

CRN 78397-45-2 CMF C38 H62 N6 O12

Absolute stereochemistry.

PAGE 1-B

_ OBu−t

CM 2

CRN 101-83-7 CMF C12 H23 N.

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 95:62659

L2 ANSWER 50 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 78397-45-2 REGISTRY

CN L-Ornithine, N2-[(1,1-dimethylethoxy)carbonyl]-N5-[N2-[(1,1-dimethylethoxy)carbonyl]-N5-[N2-[(1,1-dimethylethoxy)carbonyl]-N5[(phenylmethoxy)carbonyl]-L-ornithyl]-L-ornithyl]- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C38 H62 N6 O12

CI COM

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-B

__OBu−t

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 95:62659

L2 ANSWER 51 OF 51 REGISTRY COPYRIGHT 2003 ACS

RŅ 78397-44-1 REGISTRY

CN L-Ornithine, N2-[(1,1-dimethylethoxy)carbonyl]-N5-[N2-[(1,1-dimethylethoxy)carbonyl]-N5-[N2-[(1,1-dimethylethoxy)carbonyl]-N5-[(phenylmethoxy)carbonyl]-L-ornithyl]-L-ornithyl]-, methyl ester (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C39 H64 N6 O12

LC STN Files: CA, CAPLUS

PAGE 1-B

OMe

√ OBu-t

- 1 REFERENCES IN FILE CA (1957 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 95:62659